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|  MSSRF Science for Sustainable Development | AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kannivadi@gmail.com Fax: 044 – 22541319 | | | | |  |
| | District : | Dindigul | Forecast Period : | 10/07/2024 | to | |
| | Bulletin No: | MSSRF/ DGL /029/ 2024 | Release Date : | 09/04/2024 | | |

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|---------------------------------|---------------------|-------------------|----|-------------------|
| Significant past weather | From | 05/04/2024 | to | 08/04/2024 |
| | | 4 | | 4 |
| Parameters | Past Weather | | | |
| Rainfall (mm) | 0.0 | | | |
| Maximum Temperature (°C) | 39-40 | | | |
| Minimum Temperature (°C) | 26-27 | | | |
| Sky Condition (Octas) | 3-4 | | | |
| Relative Humidity (%) | 30-79 | | | |
| Wind Speed (kmph) | 4-9 | | | |

Ensemble Weather Forecast
 until **08:30Hrs of 14-04-2024**

| Parameters | 10-04-2024 | 11-04-2024 | 12-04-2024 | 13-04-2024 | 14-04-2024 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 0 | 0 | 0 | 2 | 1 |
| Maximum Temperature (°C) | 40 | 40 | 41 | 40 | 40 |
| Minimum Temperature (°C) | 27 | 26 | 27 | 26 | 26 |
| Sky Condition (Octa) | 2 | 1 | 5 | 7 | 7 |
| Max. Relative Humidity (%) | 80 | 70 | 70 | 80 | 80 |
| Min. Relative Humidity (%) | 20 | 20 | 40 | 40 | 30 |
| Wind Speed (Kmph) | 10 | 8 | 10 | 8 | 10 |
| Wind Direction | E | SE | SE | SE | SE |

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| SMS Advisory | Chances of very light rain on 13 & 14 Apr. Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 26°C - 27°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, East & Southeast directions. |
|---------------------|---|

General Advisory:

During the summer season, both agricultural and vegetable crops grown for more than 30 to 45 days are prone to nutrient deficiency and pest attack.

To overcome this issue, mix 350ml of Panchakaviyam and 15ml of sticky agent in 10 litres of water and spray it twice at 15 days interval.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals

during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next three days (10.04.2024 to 12.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Maize, Jasmine & Animal Husbandry).

Maize:

Dry weather is prevailing for a long period and the maximum temperature is increasing gradually.

Since the Maize crop is most sensitive to moisture stress at 45 to 65 days after sowing. To ensure the optimum moisture availability, provide irrigation to maize field avoid yield loss.

Jasmine:

To reduce the impact of excessive heat in soil and to conserve soil moisture in Jasmine gardens, it is recommended to do mulching in Jasmine fields.

Due to this, thrips and aphids are more likely to attack the crops during the growth and flowering stages.

To control these pest movement, spray 5% Neem Seed Kernel Extract (NKSL).

Animal Husbandry:

The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.